

Some More Commands (in the ~~worst~~ best theme)

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Last Time on Git Stuco

- Hooks
 - A way to fire scripts.
- `git bisect`
 - Finding bug-inducing commits.

Reverting Previous Commits

- `git revert <commit>`
- Creates a new commit to undo the changes of an old commit.
- Useful if the commit has already been made public.
- `-m` to specify which branch to revert from

Filtering Out Files

- `git filter-branch`
- Rewrite commits across branches.
- Example filters:
 - `--tree-filter`
 - `--index-filter`
 - `--subdirectory-filter`

Moving files

- `git mv <file>`
- Moves/renames (same as regular `mv`) a file and stages this change.

Hosting your own repo

- `git daemon`
- Runs a very basic server.
 - uses Git protocol over TCP (`git://`)
- Useful options.
 - `--verbose`
 - `--base-path=<path>`
 - `--export-all`
 - `--enable=receive-pack`

Searching - git grep

- Allows you to search through files across different revisions without checking them out.
- `git grep <regexp>`
- `git grep twitter $(git rev-list --all)`
- `git grep twitter $(git rev-list head..head~2)`

Submodules

- Submodules allows you to have a Git repository inside another Git repository.
- Use case: imagine you are working on PhotoShop, each “tool” might have its own repo which is all linked together.
- `git submodule add <url>`
 - Creates a `.gitmodules` file in root.
- `cd <submodule>`
- `git pull`

git replace

- Replaces one object in your git database with another object.
- Use case: splitting up your git history into two parts

git rerere

- **Reuse recorded resolution.**
- **Advanced Git technique.**

git rerere

- `git config --global rerere.enabled true`
- `git rerere diff`
 - What you started with
 - what you resolved it to
- **Use case:** avoid redoing the same merge conflict over and over again
- Remove recorded resolutions
 - `git rerere forget your_file.rb`

HW 7 (Cancelled)

Because of the logistical complexity of this HW,
we've allocated some time to do it in class

<http://goo.gl/forms/LRLQc5MqB1>

Next week

CARNIVAL.

Next Time on Git Stuco

- Comprehensive review